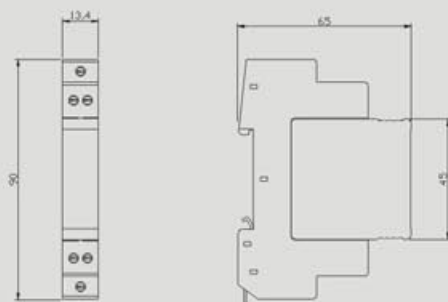




SPDs for Data Protection 信号防雷器

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SPDs for general
information(plug-in)
插拔式通用信号防雷器



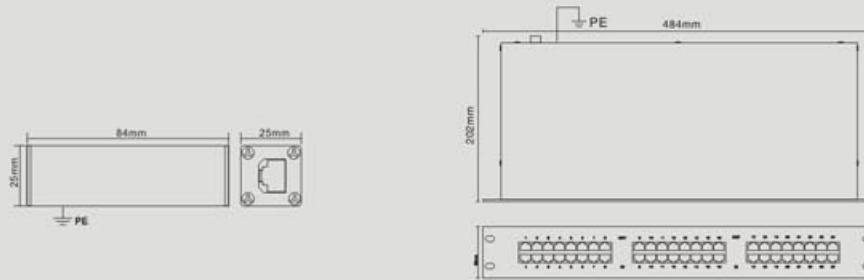
		BRPI-6	BRPI-12	BRPI-24	BRPI-48	BRPI-60	BRPI-180
Test standards		IEC 61643-21	IEC 61643-21	IEC 61643-21	IEC 61643-21	IEC 61643-21	IEC 61643-21
Nominal voltage	Un	6 V	12 V	24 V	48 V	60 V	180 V
Max. continuous operating d.c. voltage	Uc	8 V	15 V	29 V	56 V	70 V	180 V
Max. continuous operating a.c. voltage	Uc	5 V	11 V	20 V	40 V	49 V	130 V
Nominal current	IL	0.5 A	0.5 A	0.5 A	0.5 A	0.5 A	0.5 A
C2 Nominal discharge current (8/20 μs) per line In		5 kA	5 kA	5 kA	5 kA	5 kA	5 kA
Voltage protection level [line-line]	Up	≤30 V	≤40 V	≤60 V	≤100 V	≤130 V	≤320 V
Voltage protection level [line-PG]	Up	≤600 V	≤600 V	≤600 V	≤600 V	≤600 V	≤600 V
Response time [line-line]	tA	≤1 ns	≤1 ns	≤1 ns	≤1 ns	≤1 ns	≤1 ns
Response time [line-PG]	tA	≤100 ns	≤100 ns	≤100 ns	≤100 ns	≤100 ns	≤100 ns
Operating temperature range	TU	-40°C...+80°C	-40°C...+80°C	-40°C...+80°C	-40°C...+80°C	-40°C...+80°C	-40°C...+80°C
Connection input/output		Terminal Block	Terminal Block	Terminal Block	Terminal Block	Terminal Block	Terminal Block
Bandwidth		10 Mbps	10 Mbps	10 Mbps	10 Mbps	10 Mbps	10 Mbps
Insertion Loss		≤0.3dB	≤0.3dB	≤0.3dB	≤0.3dB	≤0.3dB	≤0.3dB
Enclosure material		aluminium alloy	aluminium alloy	aluminium alloy	aluminium alloy	aluminium alloy	aluminium alloy
Degree of protection		IP 40	IP 40	IP 40	IP 40	IP 40	IP 40
Order Code		D9100	D9101	D9102	D9103	D9104	D9105

SPDs for general information 通用信号防雷器

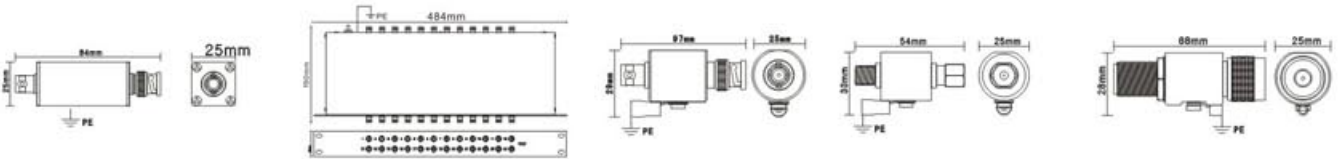


		BRGI-6-RAS	BRGI-12-RAS	BRGI-24-RAS	BRGI-48-RAS	BRGI-60-RAS	BRGI-180-RAS
Test standards		IEC 61643-21	IEC 61643-21	IEC 61643-21	IEC 61643-21	IEC 61643-21	IEC 61643-21
Nominal voltage	Un	6 V	12 V	24 V	48 V	60 V	180 V
Max. continuous operating d.c. voltage	Uc	8 V	15 V	29 V	56 V	70 V	180 V
Max. continuous operating a.c. voltage	Uc	5 V	11 V	20 V	40 V	49 V	130 V
Nominal current	IL	0.5 A	0.5 A	0.5 A	0.5 A	0.5 A	0.5 A
C2 Nominal discharge current (8/20 μs) per line In		5 kA	5 kA	5 kA	5 kA	5 kA	5 kA
Voltage protection level [line-line]	Up	≤30 V	≤40 V	≤60 V	≤100 V	≤130 V	≤320 V
Voltage protection level [line-PG]	Up	≤600 V	≤600 V	≤600 V	≤600 V	≤600 V	≤600 V
Response time [line-line]	tA	≤1 ns	≤1 ns	≤1 ns	≤1 ns	≤1 ns	≤1 ns
Response time [line-PG]	tA	≤100 ns	≤100 ns	≤100 ns	≤100 ns	≤100 ns	≤100 ns
Operating temperature range	TU	-40°C...+80°C	-40°C...+80°C	-40°C...+80°C	-40°C...+80°C	-40°C...+80°C	-40°C...+80°C
Connection input/output		Terminal Block	Terminal Block	Terminal Block	Terminal Block	Terminal Block	Terminal Block
Bandwidth		10 Mbps	10 Mbps	10 Mbps	10 Mbps	10 Mbps	10 Mbps
Insertion Loss		≤0.3dB	≤0.3dB	≤0.3dB	≤0.3dB	≤0.3dB	≤0.3dB
Enclosure material		aluminium alloy	aluminium alloy	aluminium alloy	aluminium alloy	aluminium alloy	aluminium alloy
Degree of protection		IP 40	IP 40	IP 40	IP 40	IP 40	IP 40
Order Code 1port		B9001	B9002	B9003	B9004	B9005	B9006
Order Code 24 ports		B9007	B9008	B9009	B9010	B9011	B9012

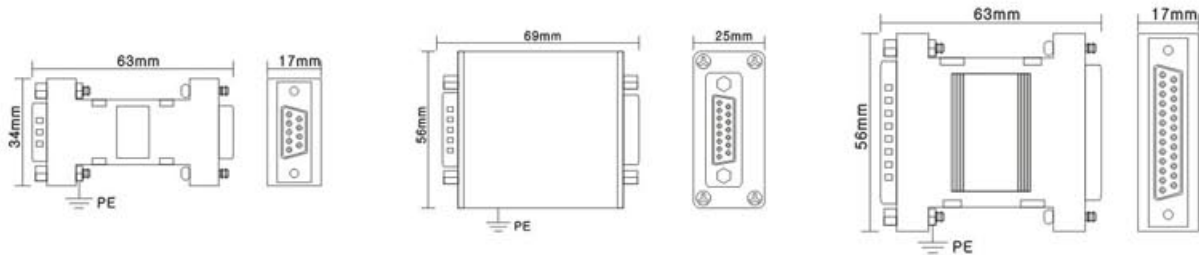
SPDs for RJ RJ信号防雷器



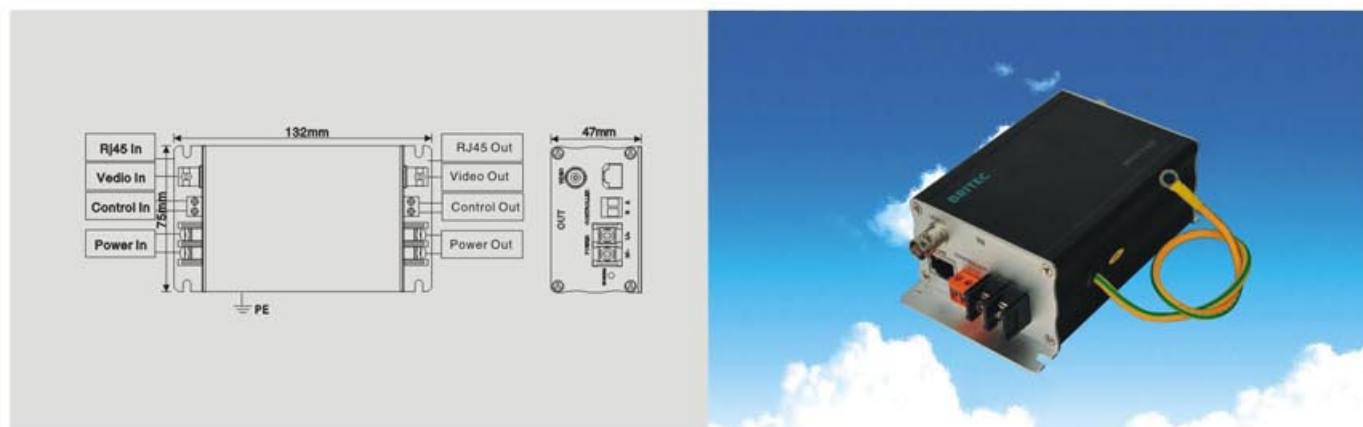
		BRRJ45L-6SG	BRRJ45H-6SG	BRRJ45L-6RAC	BRRJ11L-170SG	BRRJ11H-170SG
Test standards		IEC 61643-21	IEC 61643-21	IEC 61643-21	IEC 61643-21	IEC 61643-21
Nominal voltage	Un	5 V	5 V	5 V	110 V	110 V
Max. continuous operating d.c. voltage	Uc	6 V	6 V	6 V	170 V	170 V
Max. continuous operating a.c. voltage	Uc	4 V	4 V	4 V	120 V	120 V
Nominal current	IL	0.5 A	0.5 A	0.5 A	0.5 A	0.5 A
C2 Nominal discharge current (8/20 μs) per line In		5 kA	5 kA	5 kA	5 kA	5 kA
Voltage protection level [line-line]	Up	≤ 30 V	≤ 30 V	≤ 30 V	≤ 250 V	≤ 250 V
Voltage protection level [line-PG]	Up	≤ 500 V	≤ 500 V	≤ 500 V	≤ 600 V	≤ 600 V
Response time [line-line]	tA	≤ 1 ns	≤ 1 ns	≤ 1 ns	≤ 1 ns	≤ 1 ns
Response time [line-PG]	tA	≤ 100 ns	≤ 100 ns	≤ 100 ns	≤ 100 ns	≤ 100 ns
Operating temperature range	TU	-40°C...+80°C	-40°C...+80°C	-40°C...+80°C	-40°C...+80°C	-40°C...+80°C
Connection input/output		RJ45 socket 4 line	RJ45 socket 8 line	RJ45 24 sockets	RJ11 socket 2 line	RJ11 socket 4 line
Bandwidth		30 Mbps	30 Mbps	30 Mbps	10 Mbps	10 Mbps
Insertion Loss		≤ 0.3dB	≤ 0.3dB	≤ 0.3dB	≤ 0.3dB	≤ 0.3dB
Enclosure material		aluminium alloy	aluminium alloy	aluminium alloy	aluminium alloy	aluminium alloy
Degree of protection		IP40	IP40	IP40	IP40	IP 40
Order Code		B9030	B9031	B9032	B9033	B9034



		BRBNC-50SG	BRBNC-50RAC	BRBNC-50H	BRN-50H	BRF-50H
Test standards		IEC 61643-21	IEC 61643-21	IEC 61643-21	IEC 61643-21	IEC 61643-21
Nominal voltage	Un	5 V	5 V	-	-	-
Max. continuous operating d.c. voltage	Uc	6 V	6 V	180V	180V	180V
Max. continuous operating a.c. voltage	Uc	4 V	4 V	130V	130V	130V
Nominal current IL		0.5 A	0.5 A	20 A	20 A	20 A
C2 Nominal discharge current (8/20 μs) line-shield In		5 kA	5 kA	-	-	-
C2 Nominal discharge current (8/20 μs) shield-PG In		10KA	10KA	-	-	-
C2 Nominal discharge current (8/20 μs) line-shield/PG In		-	-	10KA	10KA	10KA
Voltage protection level [line-shield]	Up	≤ 30 V	≤ 30 V	-	-	-
Voltage protection level [shield-PG]	Up	≤ 500 V	≤ 500 V	-	-	-
Voltage protection level [line-shield/PG]	Up	-	-	≤ 800 V	≤ 800 V	≤ 800 V
Response time [line-shield]	tA	≤ 1 ns	≤ 1 ns	-	-	-
Response time [shield-PG]	tA	≤ 100 ns	≤ 100 ns	-	-	-
Response time [line-shield/PG]	tA	-	-	≤ 100 ns	≤ 100 ns	≤ 100 ns
Operating temperature range	TU	-40°C...+80°C	-40°C...+80°C	-40°C...+80°C	-40°C...+80°C	-40°C...+80°C
Connection input/output		BNC socket	BNC 24 sockets	BNC socket	N socket	F socket
Bandwidth		10 Mbps	10 Mbps	3 Gbps	3 Gbps	3 Gbps
Insertion Loss		≤ 0.3dB	≤ 0.3dB	≤ 0.3dB	≤ 0.3dB	≤ 0.3dB
Impedence		50Ω	50Ω	50Ω	50Ω	50Ω
Enclosure material		aluminium alloy	aluminium alloy	Steel	Steel	Steel
Degree of protection		IP 40	IP 40	IP 65	IP 65	IP 65
Order Code		D9020	D9021	D9022	D9023	D9024



	BRDB9	BRDB15	BRDB25
Test standards	IEC 61643-21	IEC 61643-21	IEC 61643-21
Nominal voltage Un	12 V	12 V	12 V
Max. continuous operating d.c. voltage Uc	15 V	15 V	15 V
C2 Nominal discharge current (8/20 μs) line-SG In	5 kA	5 kA	5 kA
C2 Nominal discharge current (8/20 μs) SG-PG In	10 kA	10 kA	10 kA
Voltage protection level [line-SG] Up	≤ 40 V	≤ 40 V	≤ 40 V
Voltage protection level [SG-PG] Up	≤ 500 V	≤ 500 V	≤ 500 V
Response time [line-SG] tA	≤ 1 ns	≤ 1 ns	≤ 1 ns
Response time [SG-PG] tA	≤ 100 ns	≤ 100 ns	≤ 100 ns
Operating temperature range Tu	-40° C...+80° C	-40°C...+80°C	-40°C...+80°C
Connection input/output	D-Sub 9 plug/ socket	D-Sub 15 plug/socket	D-Sub 25 plug/socket
Pinning	line:3/8, SG:5, PG:1	line:2/9,4/11, SG:8, PG:1	line:2/3/4/5/6/8/20, SG:7
Bandwidth	10 Mbps	10 Mbps	10 Mbps
Insertion Loss	≤ 0.3dB	≤ 0.3dB	≤ 0.3dB
Enclosure material	aluminium alloy	aluminium alloy	aluminium alloy
Degree of protection	IP40	IP40	IP40
Order Code	D9070	D9071	D9072



		Video	Control	RJ45	Power
Test standards		IEC 61643-21	IEC 61643-21	IEC 61643-21	IEC 61643-21
Nominal voltage	Un	5 V	12 V	5 V	-
Max. continuous operating d.c. voltage	Uc	6 V	15 V	6 V	-
Max. continuous operating a.c. voltage	Uc	4 V	11 V	4 V	-
Nominal current	IL	0.5 A	0.5 A	0.5 A	10A
C2 Nominal discharge current (8/20µs)	In	5 kA	5 kA	5 kA	-
C2 Max. discharge current (8/20µs)	Imax	10KA	10KA	10KA	-
Voltage protection level [line-line/shield]	Up	≤30 V	≤40 V	≤30 V	-
Voltage protection level [line/shield-PG]	Up	≤500 V	≤500 V	≤500 V	-
Response time [line-line/shield]	tA	≤1 ns	≤1 ns	≤1 ns	≤1 ns
Response time [line/shield-PG]	tA	≤100 ns	≤100 ns	≤100 ns	≤100 ns
Operating temperature range	Tu	-40°C...+80°C	-40° C...+80° C	-40° C...+80° C	-40°C...+80°C
Connection input/output		BNC socket	Terminal	RJ45	Terminal
Bandwidth		10 Mbps	10 Mbps	10 Mbps	10 Mbps
Insertion Loss		≤0.3dB	≤0.3dB	≤0.3dB	≤0.3dB
Enclosure material		aluminium alloy	aluminium alloy	aluminium alloy	aluminium alloy
Degree of protection		IP 40	IP 40	IP 40	IP 40

		BRCCTV-12	BRCCTV-24	BRCCTV-48	BRCCTV-220
Nominal voltage	Un	12 V	24 V	48 V	220 V
Max. continuous operating d.c. voltage	Uc	20 V	40 V	80 V	350 V
Max. continuous operating a.c. voltage	Uc	15 V	30 V	60 V	275 V
Nominal discharge current (8/20µs)	In	5kA	5kA	5kA	5kA
Max. discharge current (8/20µs)	Imax	10kA	10kA	10kA	10kA
Voltage protection level	Up	≤200 V	≤300 V	≤400 V	≤1200 V
Order Code		D9050	D9051	D9052	D9053